Westinghouse Digital Electronics
Santa Fe Springs, CA

www.westinghousedigital.com

SE-SG-2704-0601
LTV-27w7 HD, LTV-32w6 HD and LTV-37w2 HD Service Guide 10/1/06

SERVICE GUIDE

Model No.: LTV-27w7 HD
LTV-32w6 HD
LTV-37w2 HD

27", 32" & 37" Color LCD TV Display

Westinghouse

Table of Contents

1. Precautions and Safety Notices 2

2. Specifications 3

2.1 LTV-27v7 HD 3

2.2 LTV-32w6 HD 4

2.3. LTV-37w2 HD 5

3. User Controls & Connectors 6

3.1. User Control 6

3.2 Connectors 7

3.3 On-Screen Display Menu (OSD) 8

4. Servicing Environment and Tools 12

5. Assembly/Disassembly Procedures 15

Appendix A. Spare Parts List 17

Appendix B. Exploded Diagram 26

Appendix C. Block Diagram 29

1. Precautions and Safety Notices

Prior to using this manual, please ensure that you have carefully followed all the procedures outlined in the user manual for this product.

- Read all of these instructions.
- Save these instructions for later use.
- Follow all warnings and instructions marked on the product.
- Do not use this product near water.
- This display should be installed on a solid horizontal base.
- When cleaning, use only a neutral detergent cleaner with a soft damp cloth. Do not spray with liquid or aerosol cleaners.
- Do not expose this display to direct sunlight or heat. Hot air may cause damage to the cabinet and other parts.
- Adequate ventilation must be maintained to ensure reliable and continued operation and to protect the display from overheating. Do not block ventilation slots and openings with objects or install the display in a place where ventilation may be hindered.
- Do not install this display near a motor or transformer where strong magnetism is generated. Images on the display will become distorted and the color irregular.
- Do not allow metal pieces or objects of any kind to fall into the display from ventilation holes.

Slots and openings in the cabinet and the back or bottom are provided for ventilation. To ensure reliable operation of the product and to protect it from overheating, those openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.

2. Specifications

2.1 LTV-27w7 HD Specifications

	Item	Specifications for LTV-27w7 HD	
Display Panel	Display Area	27" Viewable Diagonal	
	Resolution	1366 x 768 Native 1280 x 1024, 1024 x 768, 848 x 480, 832 x 624 480i, 480P, 720P, 1080i	
	Aspect Ratio	16:9	
	Lamp Life	60,000 hrs	
	Display Color	16.7 M	
	Transmissive Mode	Normally black	
	Viewing Angle	176° (H) / 176° (V)	
	Brightness (Luminance)	550cd/m^2	
	Contrast Ratio	1000:1	
	Response Time	8 ms	
Graphic	Separate Sync	TTL Level	
	Horizontal Sync	Positive/Negative	
	Vertical Sync	Positive/Negative	
	Connectors	Composite (Video In)	1 x A/V RCA
		S-Video In	1 x S-Video
		Component In	2 x YPbPr
		VGA In	1 x VGA (RGB)
		Antenna In	1 x RF
		HDMI In	1 x HDMI
		Audio In (Dual RCA)	4 x RCA (Red/White) (Audio L/R In)
		Audio In (Mini)	1 x 3.5mm Stereo (Headphone)
		Audio In (2)	RCA (Red/White) (Audio L/R In)
		Audio Out (Dual RCA)	1 x RCA (Red/White) (Audio L/R Out)
Compatibility	Color System	NTSC & ATSC	
Audio Output	Built-in Speaker	2 x 10 watt speakers	
Other	Physical Dimensions	26.6" (W) x 21.9" (H) x 7.3" (D)	
	Weight	27.7 lbs	
	Power Adapter	Input – AC 100-120VAC	
	Power Consumption	Normal Mode: 180W Power off Mode : < 3W	
	Operating Temperature	32°F to 95°F (0°C to 35°C)	
Regulation	Safety/EMC	FCC-B, CSA (CUL)	
DDC	Plug & Play	VESA DDC1 and DDC2B	
Function	Function Key	7 keys	

Note: Product Specifications are subject to change without notice.

2.2 LTV-32w6 HD Specifications

	Item	Specifications for LTV-32w6 HD	
Display Panel	Display Area	32" Viewable Diagonal	
	Resolution	1366 x 768 Native 1280 x 1024, 1024 x 768, 848 x 480, 832 x 624 480i, 480P, 720P, 1080i	
	Aspect Ratio	16:9	
	Lamp Life	60,000 hrs	
	Display Color	16.7 M	
	Transmissive Mode	Normally black	
	Viewing Angle	170° (H) / 170° (V)	
	Brightness (Luminance)	400cd/m^2	
	Contrast Ratio	1000:1	
	Response Time	8 ms	
Graphic	Separate Sync	TTL Level	
	Horizontal Sync	Positive/Negative	
	Vertical Sync	Positive/Negative	
	Connectors	Composite (Video In)	1 x A/V RCA
		S-Video In	1 x S-Video
		Component In	2 x YPbPr
		VGA In	1 x VGA (RGB)
		Antenna In	1 x RF
		HDMI In	1 x HDMI-HDCP
		Audio In (Dual RCA)	4 x RCA (Red/White) (Audio L/R In)
		Audio In (Mini)	1 x 3.5mm Stereo (Headphone)
		Audio Out (Dual RCA)	1 x RCA (Red/White) (Audio L/R Out)
Compatibility	Color System	NTSC & ATSC	
Audio Output	Built-in Speaker	2 x 9 watt speakers	
Other	Physical Dimensions	31.4" (W) x 25.2" (H) x 8.3" (D)	
	Weight	37.5 lbs	
	Power Adapter	Input – AC 100-120 VAC 60 Hz, 3A (Max)	
	Power Consumption	Normal Mode: 180W Power off Mode : < 2W	
	Operating Temperature	32°F to 95°F (0°C to 35°C)	
Regulation	Safety/EMC	FCC-B, CSA (CUL)	
DDC	Plug & Play	VESA DDC1 and DDC2B	
Function	Function Key	7 keys	

Note: Product Specifications are subject to change without notice.

2.3 LTV-37w2 HD Specifications

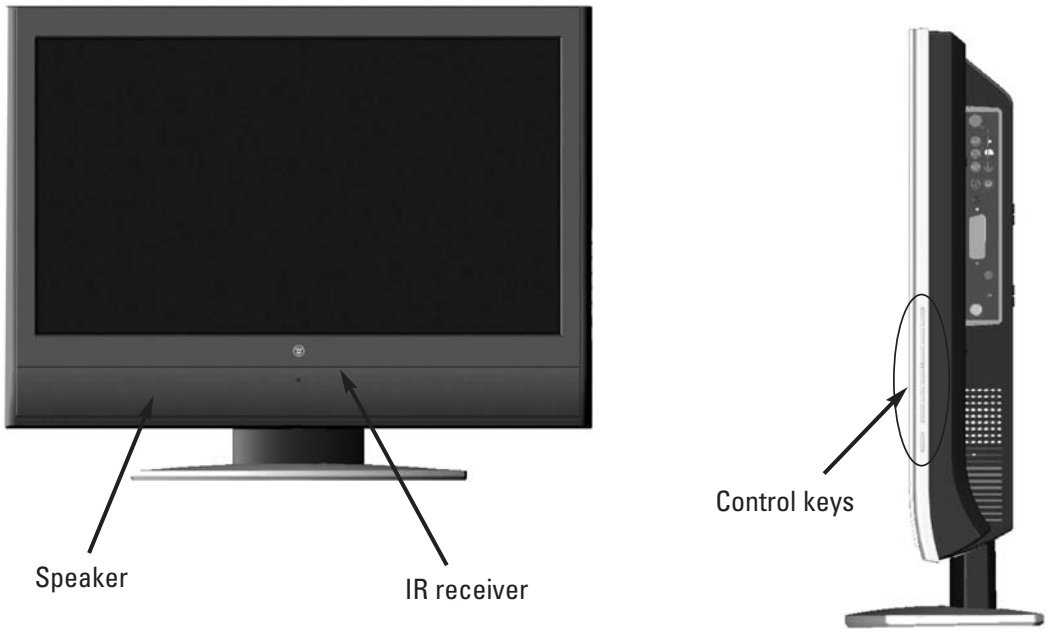
	Item	Specifications for LTV-37w2 HD	
Display Panel	Display Area	37" Viewable Diagonal	
	Resolution	1366 x 768 Native 1280 x 1024, 1024 x 768, 848 x 480, 832 x 624 480i, 480P, 720P, 1080i	
	Aspect Ratio	16:9	
	Lamp Life	60,000 hrs	
	Display Color	16.7 M	
	Transmissive Mode	Normally black	
	Viewing Angle	178° (H) / 178° (V)	
	Brightness (Luminance)	550cd/m^2	
	Contrast Ratio	1000:1	
	Response Time	8 ms	
Graphic	Separate Sync	TTL Level	
	Horizontal Sync	Positive/Negative	
	Vertical Sync	Positive/Negative	
	Connectors	Composite (Video In)	1 x A/V RCA
		S-Video In	1 x S-Video
		Component In	2 x YPbPr
		VGA In	1 x VGA (RGB)
		Antenna In	1 x RF
		HDMI In	1 x HDMI-HDCP
		Audio In (Dual RCA)	4 x RCA (Red/White) (Audio L/R In)
		Audio In (Mini)	1 x 3.5mm Stereo (Headphone)
		Audio Out (Dual RCA)	1 x RCA (Red/White) (Audio L/R Out)
Compatibility	Color System	NTSC & ATSC	
Audio Output	Built-in Speaker	2 x 9 watt speakers	
Other	Physical Dimensions	37.3" (W) x 26.1" (H) x 8.2" (D)	
	Weight	48.9 lbs	
	Power Adapter	Input – AC 100-120 VAC 60 Hz, 3A (Max)	
	Power Consumption	Normal Mode: 214W Power off Mode : < 3W	
	Operating Temperature	32°F to 95°F (0°C to 35°C)	
Regulation	Safety/EMC	FCC-B, CSA (CUL)	
DDC	Plug & Play	VESA DDC1 and DDC2B	
Function	Function Key	7 keys	

Note: Product Specifications are subject to change without notice.

3. User Controls & Connectors

3.1 User Control

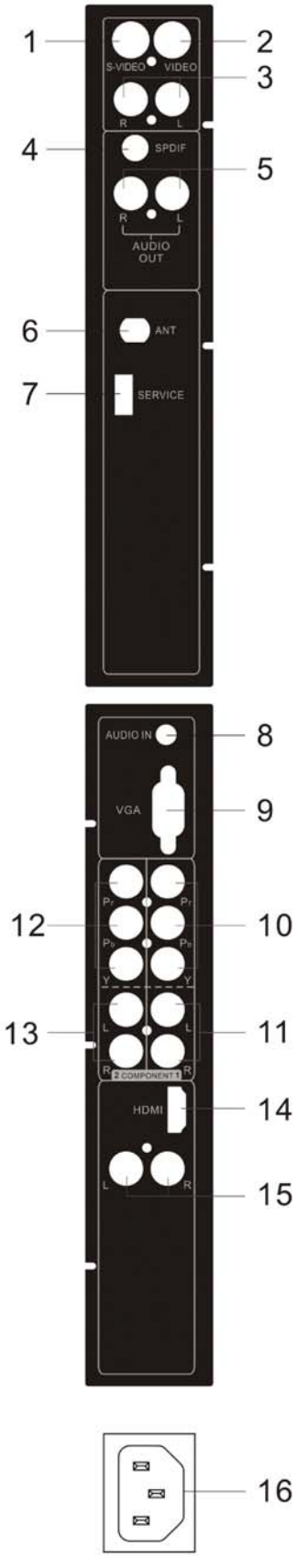
Use the MENU on the right side of the LCD TV or on the remote control to initiate the On Screen Display (OSD). The OSD controls are defined in the following section.



Control Key

MENU	1. Menu	Turn OSD Menu ON/OFF
+ VOL -	2. Volume + / -	Increase/Decrease sound volume or adjust a highlighted control while in the OSD Menu
+ CH -	3. Channel + / -	Channel up/down when input is TV or highlight a control while in the OSD Menu
INPUT	4. Input source	Select Active Video Input or choose a selection while in the OSD MENU
		5. Power Power ON/OFF

3.2 Connectors



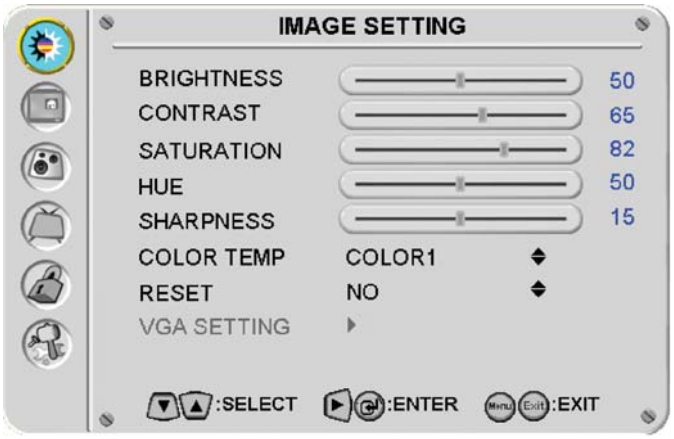
1. **S-Video Input**
   Connect to an external video device such as a digital cable/satellite receiver, VCR, DVD or video game system.
2. **Video Input**
   Connect the Composite Video to an external video device such as VCR, DVD and video game system.
3. **AV & S-Video Audio Input (Right / Left)**
   Connect an external audio source to this jack (Audio (R/L). This connection supports either S-Video or AV input.
4. **SPDIF Output**
   Connect this output to an external audio receiver with SPDIF function.
5. **Audio Output (Right / Left)**
   Connect this output to an external audio receiver.
6. **ANT (RF-input)**
   Connect the LCD TV to an antenna or cable service.
7. **SERVICE**
   For ATSC software update source.
8. **VGA Audio IN**
   Connect to the Audio out (blue) from a computer.
9. **VGA**
   Using a 15-pin VGA cable, connect to a computer or other device with a VGA output.
10. **YPbPr1 Input**
    Connect an external video devices with component output to these jacks.
11. **YPbPr1 Audio 1 Input (Left / Right)**
    Connect an external audio source to this jack.
12. **YPbPr2 Input**
    Connect an external video device with component output to these jacks.
13. **YPbPr2 Audio 2 Input (Left / Right)**
    Connect an external audio source to this jack.
14. **HDMI input**
    Connect external video devices with HDMI output to this jack.
15. **HDMI Audio Input (Left / Right)**
    Connect an external audio source to these jacks.
16. **AC IN (Power)**
    Connect the power cord from AC IN to a power source.

3.3 On-Screen Display Menu (OSD):

All the functions can be adjusted either by the remote control or using the control keys on the right side of LCD TV.

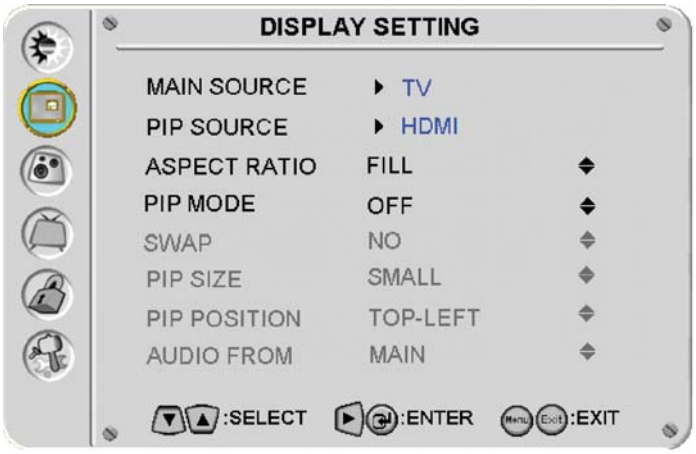
To display the OSD main menu, press the Menu button on the right side of front control keys of the LCD TV or the MENU key on the remote control. Press ▲ / ▼ arrow keys to select desired OSD Menu and ◀ / ▶ arrow keys to select desired OSD sub-menu.

IMAGE SETTING:



Function Name	Function
BRIGHTNESS	Brightness adjustment
CONTRAST	Contrast adjustment
SATURATION	Saturation adjustment
HUE	Hue adjustment
SHARPNESS	Sharpness adjustment (Sharpness cannot be adjusted in PC mode)
COLOR TEMP	Color temperature adjustment (Color 1, Color 2, Color 3)
RESET	Select “YES” to call the factory default setting for image setting Select “NO” to keep your picture adjusts setting
VGA SETTING	VGA setting adjustment

DISPLAY SETTING:



Function Name	Function
MAIN SOURCE	Select main screen sources: "TV","HDTV", "VIDEO", "S-VIDEO", "YPbPr1", "YPbPr2", "VGA", "HDMI"
PIP SOURCE	Select sub screen sources
ASPECT RATIO	Select "STANDARD", "FILL"
PIP MODE	Select "OFF", "PIP", "PBP", "POP".
SWAP	Swap main screen and sub-screen source.
PIP SIZE	Sub screen display size adjust ("SMALL", "MEDIUM", "LARGE")
PIP POSITION	Sub screen display horizontal /vertical position adjustment.
AUDIO FROM	Select main screen or sub screen audio sources.

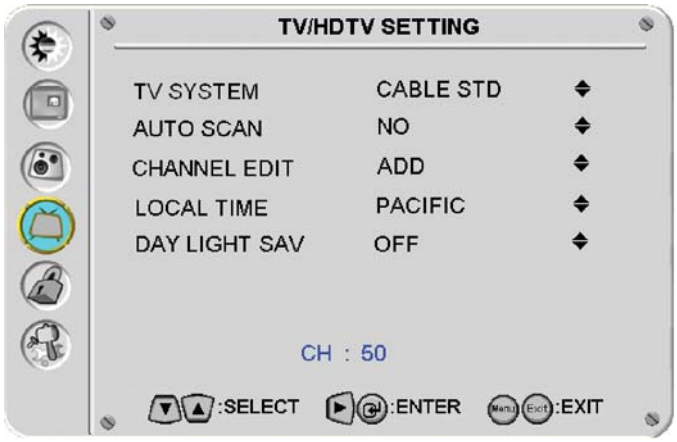
Table 1:

SUB / Main	VGA	HDTV	Video	S Video	YPbPr1	YPbPr2	TV	HDMI
VGA	X	X	X	X	X	X	X	O
HDTV	X	X	X	X	X	X	X	O
Video	X	X	X	X	X	X	X	O
S Video	X	X	X	X	X	X	X	O
YPbPr1	X	X	X	X	X	X	X	O
YPbPr2	X	X	X	X	X	X	X	O
TV	X	X	X	X	X	X	X	O
HDMI	O	O	O	O	O	O	O	X

AUDIO SETTING:

Function Name	Function
BASS	Bass adjustment
TREBLE	Treble adjustment
BALANCE	Balance adjustment
MTS	Select STEREO, MONO, or SAP
MUTE	Select audio “OFF” or “ON”
SPEAKER	Select “internal”, “external”, or “Both” speakers
AUDIO OUT	Select SPDIF OUT for 2.1 channel or 5.1 channel
RESET	Select “NO” or “YES”

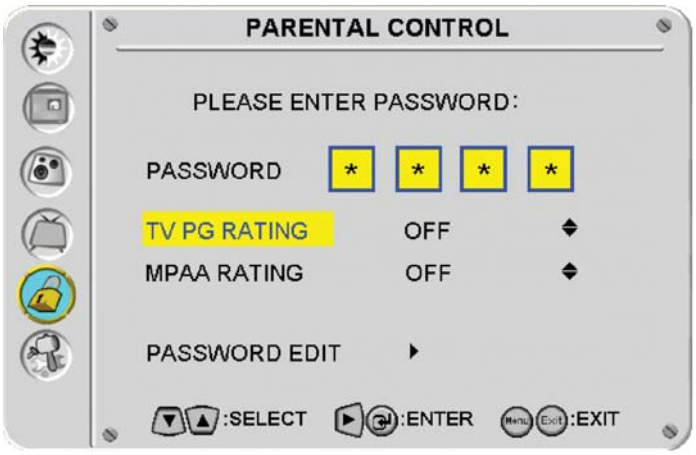
TV/HDTV SETTING:



Function Name	Function
TV SYSTEM	CABLE STD ▶ CABLE IRC ▶ ANTENNA
AUTO SCAN	Select “NO” or “YES”
CHANNEL EDIT	Select “ADD” or “DELETE”
LOCAL TIME	Select local time: “CANADA”, “EASTERN”, “CENTRAL”, “MOUNTAIN”, “PACIFIC”,”ALASKA”,“HAWAII”, “SAMOA”, “NEWFOUNDLAND”
DAYLIGHT SAV	Day light saving: On mode: “daylight saving “ times to begin Off mode: “daylight saving “ is over

PARENTAL CONTROL:

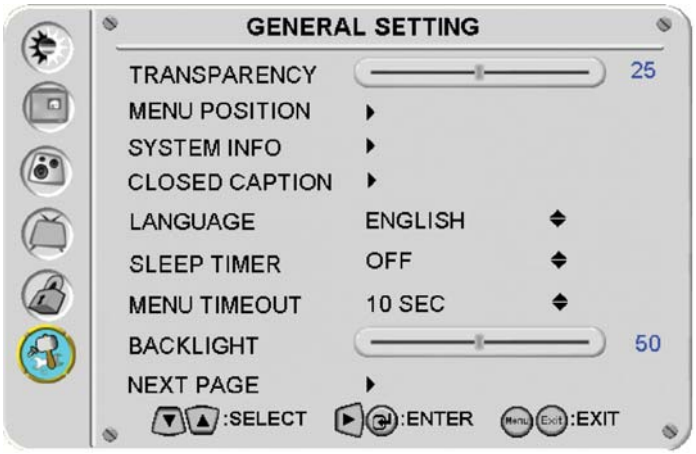
The parental controls feature prevents viewers from watching programs that are not age-appropriate, such as programs containing violence or adult language.

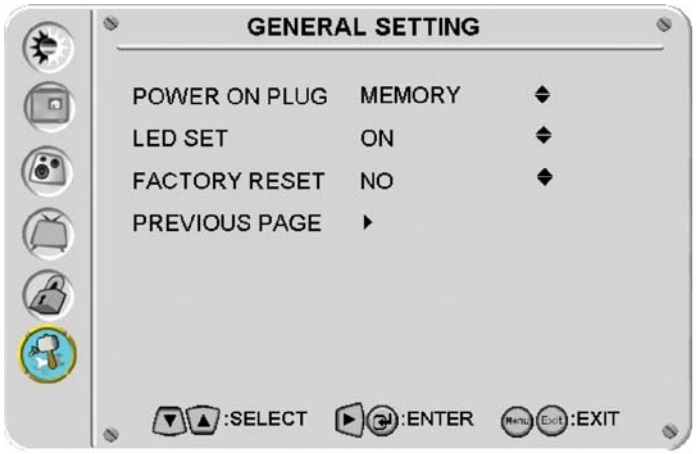


Function Name	Function
PASSWORD	The factory default password is “0000”. Use remote control to key in the number and enter the parental controls sub-menu.
TV PG RATING	Select “TV-MA”, “TV-Y”, ”TV-Y7”, ”TV-G”, ”TV-PG”, ”TV-14”, ”TV-MA” or “OFF”.
MPAA RATING	Select “G”, “PG-13”, ”R”, “NC-17”, “X”, or “OFF”
PASSWORD EDIT	Enter new pass word

TV PG Rating		MPAA Rating	
TV Y	All children	NONE	Not available
YTV Y7	For elder children	G	General audience
TV G	General audience	PG	Parental guidance suggested
TV PG	Parental guidance suggested	PG-13	Parents strongly cautioned
TV 14	Parents strongly cautioned	R	Restricted
TV MA	Mature audience only	NC 17	No one 17 and under admitted
OFF	None	X	Adult audience only
		OFF	None

GENERAL SETTING:





Function Name	Function
TRANSPARENCY	Set OSD transparency level
MENU POSITION	OSD horizontal/vertical position adjustment
SYSTEM INFO	Display input source, type and signal
CLOSED CAPTION	Turn the closed caption OFF or CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, TEXT4
LANGUAGE	OSD language selection
SLEEP TIMER	Set sleep timer to turn off the power automatically
MENU TIMEOUT	Set the time to turn off the OSD
BACKLIGHT	Backlight adjustment
NEXT PAGE	Select to next page
POWER ON PLUG	ON: To memorize the DC power status. If last DC power status is on, TV will power on automatically when plugged back in. OFF: turn off POWER ON PLUG function.
LED SET	ON: Turn on TV indicator LED. OFF: Turn off TV indicator LED.
FACTORY RESET	YES: recall OSD default setting. NO: skip the change.
PREVIOUS PAGE	Return to previous GENERAL SETTING page.

4. Servicing Environment & Tools

Servicing Environment

1. This LCD TV should be used only with the power source type identified on the package and User's Guide
2. Service the LCD TV in a room with low humidity and free of dust.
3. Place the LCD TV on a firm, level surface. Subjecting the LCD TV to a drop or sharp impact may cause severe damage to thin glass, plastic surface materials, and internal components.
4. If necessary, clean the LCD TV with a slightly damp cloth using clean water. Disconnect the LCD TV from the power source before cleaning. DO NOT use ammonia-based cleaning products.
5. In the event that the powered LCD rapidly heats, or emits unusual smells or noises, immediately disconnect the LCD TV From the power source.
6. To avoid electrical hazard, make sure that the LCD TV is fully assembly the casing closed, and the screws tightened completely before plugging in LCD TV for testing.
7. Internal components of LCD display may be damaged by electrostatic discharge(ESD). Carry out repairs in an ESD-protected workshop If no such workshop is available, wear an antistatic wrist strap or touch a highly conductive metal object.
8. Before opening the housing, disconnect the product from all power source and remove any connecting cable. If the display has not been disconnected from the power outlet before being opened, there is a danger to life through electric shock. These is also a risk of damage to the components

Volt Meter (Fig. 1)

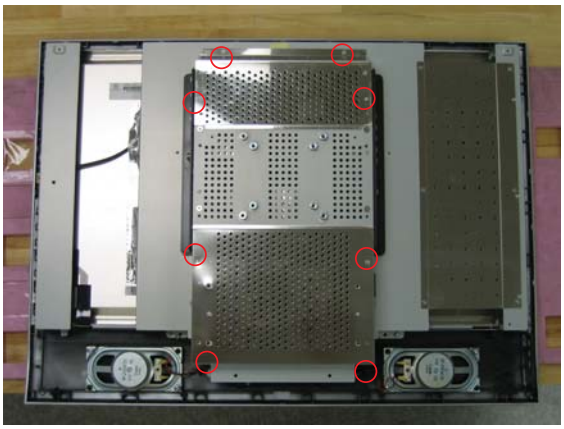
Screwdriver Set (Fig. 2)

5. Assembly/Disassembly

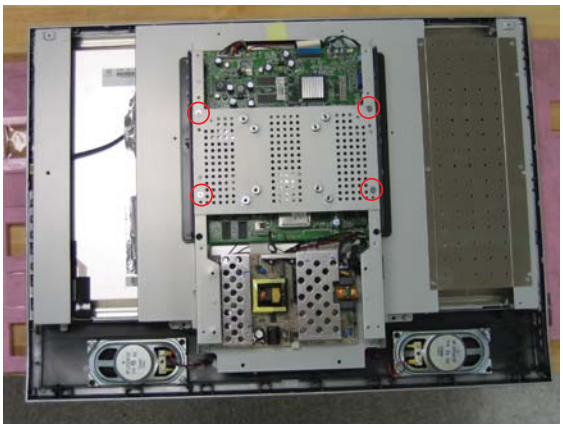
1. Remove base stand cover plate

2. Remove base stand (6 screws).

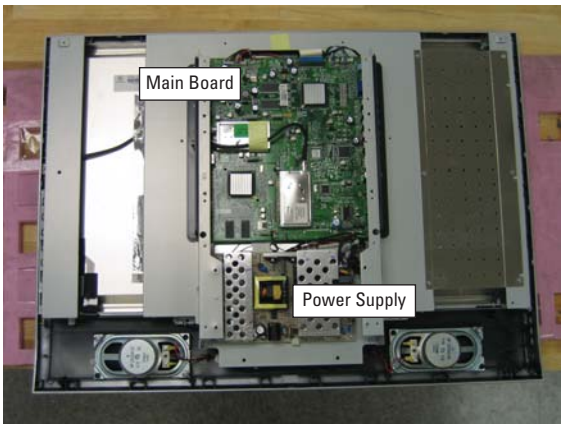
3. Remove rear cover (10 screws).



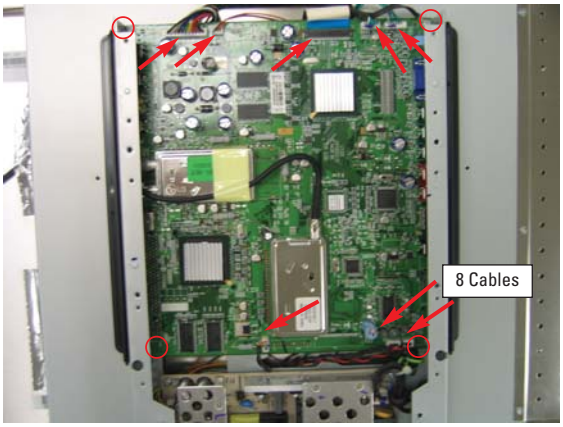
4. Remove top (4 screws) and bottom (4 screws) shields.



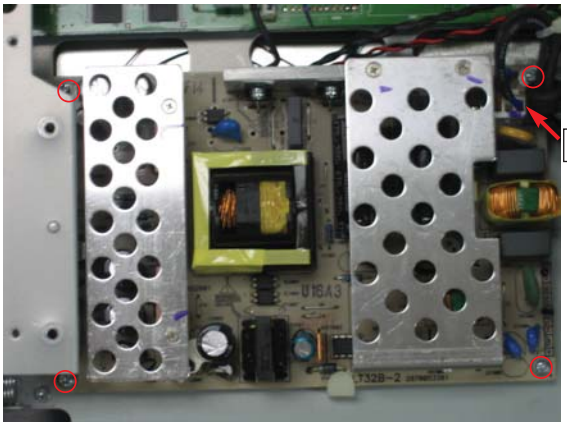
5. Remove wall mounting bracket/plate (4 screws)



6. Main Board and Power Supply



7. Remove and replace main board (4 screws & 8 cables).



8. Remove and replace power supply (4 screws and 1 cable).

APPENDIX A. Spare Parts List LTV-27w7 HD

PART NUMBER	DESCRIPTION
Power	
991206224	BATTERY ZN-CHLORIDE 1.5V AAA
3090107601	AC POWER CORD 3P #18*3C L1800 BLK
4900214080	SMPS 100~132VAC 187.5W LT32B-2
PCBA	
3368250200	BASE ASSY LT27GGN 43AAB W7VBA1LS
3368600100	F/B ASSY LT27GGN 43AAB W7VFA2LS
50527001WD	LCD 5052700101 CONTRACT PRICE
5600600040	PWB ASSY MAIN BD LT27GGN 43AAB
5600600041	PWB ASSY IR BD LT32EGN 43AAB
5600600042	PWB ASSY FUNCTION KEY BD LT32EGN 43AAB
Internal Cables	
3080341501	CABLE SIGNAL RCA L200 BLK
3081500101	CABLE FFC L280 T2
Accessory	
3200158900	LABEL SPEC PAPER 10mm
3200675700	LABEL CONNECTOR PC 231.4*43.25 T0.25 LT3
3200675801	LABEL CONNECTOR PC 231.4*43.25 T0.25 LT3
3202011000	LABEL BARCODE PAPER 42*11 T0.05
3202811800	LABEL SPEC POLYESTER 77.57*33.71 T0.25 L
3261009500	LABEL BARCODE PAPER 46*55 T0.08 LT32EGN
3264501500	LABEL SPEC ART PAPER 203.8*50.8 LT27GGN
3264502000	LABEL ID POLYESTER 119.5*59.5 T0.075 LT2
3264506500	LABEL INFORMATION POLYESTER 80*15 T0.05
5041811900	REMOTE CONTROLLER 47KEYS LT32CGN 43AAB W

PART NUMBER	DESCRIPTION
Screws	
3100300600	SCREW M M3*0.5*6 PAN C S+P S20C ZN
3100431600	SCREW M M3*0.5*16 PAN C S20C ZN BLK
3105051501	SCREW M #4-40*7 HEXH HEXI S18C NI
3105124700	SCREW M M4*0.7*16 FF C S18C ZN BLK NL
3105126600	SCREW M M4*0.7*6.5 FF C S18C NI NL
3105221000	SCREW M M3*0.5*6 FF C S18C ZN
3105225300	SCREW M M3*0.5*4 FF C S18C ZN
3105281900	SCREW M M3*0.5*8 FF C S18C ZN BLK
3109016100	SCREW T 3*1.27*8 FPH C S18C ZN YEL
3109028000	SCREW T 4*1.6*26 PAN C S18C ZN BLK
3109029100	SCREW T 4*1.6*16 PAN C S18C ZN BLK
3109168700	SCREW T 3*2.7*6 FF C S18C ZN BLK
Mechanical	
307230191C	CONN ADP RCA PLUG RCA MALE/F FEMALE
3110250000	WASHER SPRING 5.5*3.1*0.8 SWRT
3240046600	WASHER PA66 94V2 10*4*5 NAT
3240976200	RUBBER PAD 25*8 T2.5 GRAY
3360261901	CABINET BACK ABS 94V0 W7VRA1LS 433C
3360505500	LED LENS ABS 94HB Y5LFB1LS
3360508600	LED LENS ABS 94HB W32VFA2LS LIMPID
3360750100	FUNCTION KEY HIPS 94HB SW-005 W2VFA2LS 5
3360940100	ARM HIPS 94HB BK-011 W7VBA1LS 433C
3361102800	R/C HIPS 94HB W7VRA1LS 433C
3361218801	COVER D-SUB HIPS 94HB W7VRA1LS 433C
3362015200	COVER EARPHONE HIPS 94HB W7VRA1LS 433C
3460204503	BRACKET ARM SECC 230*210*55*2 ZN
3460206800	BRACKET SIDE MOUNT RIGHT SECC 385*43*40*
3460206901	BRACKET SIDE MOUNT LEFT SECC 385*43*40*1
3460214902	BRACKET VESA SECC 225*130*8.1*2 ZN

PART NUMBER	DESCRIPTION
Mechanical (continued)	
3460228700	BRACKET POWER EXTEND SECC 224*86*4*1 ZN
3460245101	BRACKET PANEL-MID-X240 SECC 401*400*52*1
3460252400	BRACKET D-SUB IO-L SECC 382*45.5*30*1
3460253500	BRACKET RIGHT-X240-HDMI SECC 328*47*36*1
3461261800	SHIELD UP-SHIELDING SPEC 225*119.7*44.7*
3461261900	SHIELD DOWN-SHIELDING SPEC 225*171.6*44*
3461265803	SHIELD INV SPEC 326.96*132.74*0.9*0.3
3613100302	SOCKET ASSY LT32AAN 43ATB
3791009200	OTHER ASSY SPEAKER-R LT32AAN 43AAB
3791009300	OTHER ASSY SPEAKER-L LT32AAN 43AAB
Packing Materials	
3517011500	CARTON PAPER 779*236*699
5010034800	CARD QUICK START LT32EGN 43AAB WDE
3211044800	MYLAR FILM 635*365 T.1 LT27AAN43AAB
3470420500	SPACER SUPPORT PA66 94V2 12.6*15.5
3472869900	GASKET PU FOAM 25*17*15
3500146002	END BLOCK EPS 475*174*229
3500146102	END BLOCK-BOTTOM EPS 772*210*229
3500148602	END BLOCK EPS 475*189*229
3500454800	END BLOCK EPS 27*27*50
3500961100	BAG PE 800*850
3500972800	BAG PE 275*205
3520130500	DRYER SILICA 80*60
3534003200	MANUAL PACKING ASSY LT32EGN 43AAB

Spare Parts List LTV-32w6 HD

PART NUMBER	DESCRIPTION
Power	
3090107601	AC POWER CORD 3P #18*3C L1800 BLK
4900214080	SMPS 100~132VAC 187.5W LT32B-2
PCBA	
5600600039	PWB ASSY MAIN BD LT32EGN 43AAB
5600600041	PWB ASSY IR BD LT32EGN 43AAB
5600600042	PWB ASSY FUNCTION KEY BD LT32EGN 43AAB
3368250300	BASE ASSY LT32EGN 43AAB W2VBA1AT
Internal Cables	
3080341501	CABLE SIGNAL RCA L200 BLK
3080521201	CABLE FFC L280 T2
307230191C	CONN ADP RCA PLUG RCA MALE/F FEMALE
Accessory	
5041811900	REMOTE CONTROLLER 47KEYS LT32CGN 43AAB W
3200158900	LABEL SPEC PAPER 10mm
3200675700	LABEL CONNECTOR PC 231.4*43.25 T0.25 LT3
3200675801	LABEL CONNECTOR PC 231.4*43.25 T0.25 LT3
3202011000	LABEL BARCODE PAPER 42*11 T0.05
3202811800	LABEL SPEC POLYESTER 77.57*33.71 T0.25 L
3211044700	MYLAR FILM 750*440 T.1 LT32AAN43AAB
5010034800	CARD QUICK START LT32EGN 43AAB WDE
3211044700	MYLAR FILM 750*440 T.1 LT32AAN43AAB
0991206224	BATTERY ZN-CHLORIDE 1.5V AAA
Screws	
3100131000	SCREW M M3*0.5*10 FPH C S20C ZN BLK
3100300600	SCREW M M3*0.5*6 PAN C S+P S20C ZN
3105051501	SCREW M #4-40*7 HEXH HEXI S18C NI
3105120100	SCREW M M4*0.7*12 PAN C S+P S10C ZN YEL
3105128900	SCREW M M4*0.7*6 FF C S18C NI

PART NUMBER	DESCRIPTION
Screws (continued)	
3109016100	SCREW T 3*1.27*8 FPH C S18C ZN YEL
3109020500	SCREW T 4*3.2*10 FLAT C S20C ZN YEL
3109028000	SCREW T 4*1.6*26 PAN C S18C ZN BLK
3109168700	SCREW T 3*2.7*6 FF C S18C ZN BLK
Mechanical Parts	
3360262102	CABINET BACK ABS 94V0 W2VRA1AT 433C
3360262200	R/C HIPS 94HB W2VFA1AT 433C
3360505500	LED LENS ABS 94HB Y5LFB1LS
3360508600	LED LENS ABS 94HB W32VFA2LS LIMPID
3360750100	FUNCTION KEY HIPS 94HB SW-005 W2VFA2LS 5
3361218801	COVER D-SUB HIPS 94HB W7VRA1LS 433C
3362015200	COVER EARPHONE HIPS 94HB W7VRA1LS 433C
3368600200	F/B ASSY LT32EGN 43AAB W2VFA2LS
3460205504	BRACKET PANEL SECC 466*452.5*43*1
3460206002	BRACKET SECC 472.5*67.5*30.95*1
3460206101	BRACKET SECC 223.8*49.5*25*2
3460206202	BRACKET SECC 452.5*74.7*50*1
3460207101	BRACKET SECC 214*77.7*47*2
3460214902	BRACKET VESA SECC 225*130*8.1*2 ZN
3460236400	BRACKET D-SUB-R SECC 399.2*47.5*14.5*1
3460236501	BRACKET D-SUB-L SECC 399.2*47.5*25.5*1
3461261000	SHIELD TOP SPTH 226*114.5*49*0.3
3461261600	SHIELD BOTTOM SPTH 226*144*0.3
3791009200	OTHER ASSY SPEAKER-R LT32AAN 43AAB
3791009300	OTHER ASSY SPEAKER-L LT32AAN 43AAB
3613100302	SOCKET ASSY LT32AAN 43ATB

PART NUMBER	DESCRIPTION
Packing Materials	
3500145801	END BLOCK EPS 575*264*197
3500145901	END BLOCK EPS 575*264*197
3500148801	END BLOCK EPS 885*263*210
3500955700	BAG PE 1040*880*0.3
3500972800	BAG PE 275*205
3517012301	CARTON KRAFT 896*274*812
3520130500	DRYER SILICA 80*60
3241191201	INSULATOR PC 94V0 161*13*0.43 BLK

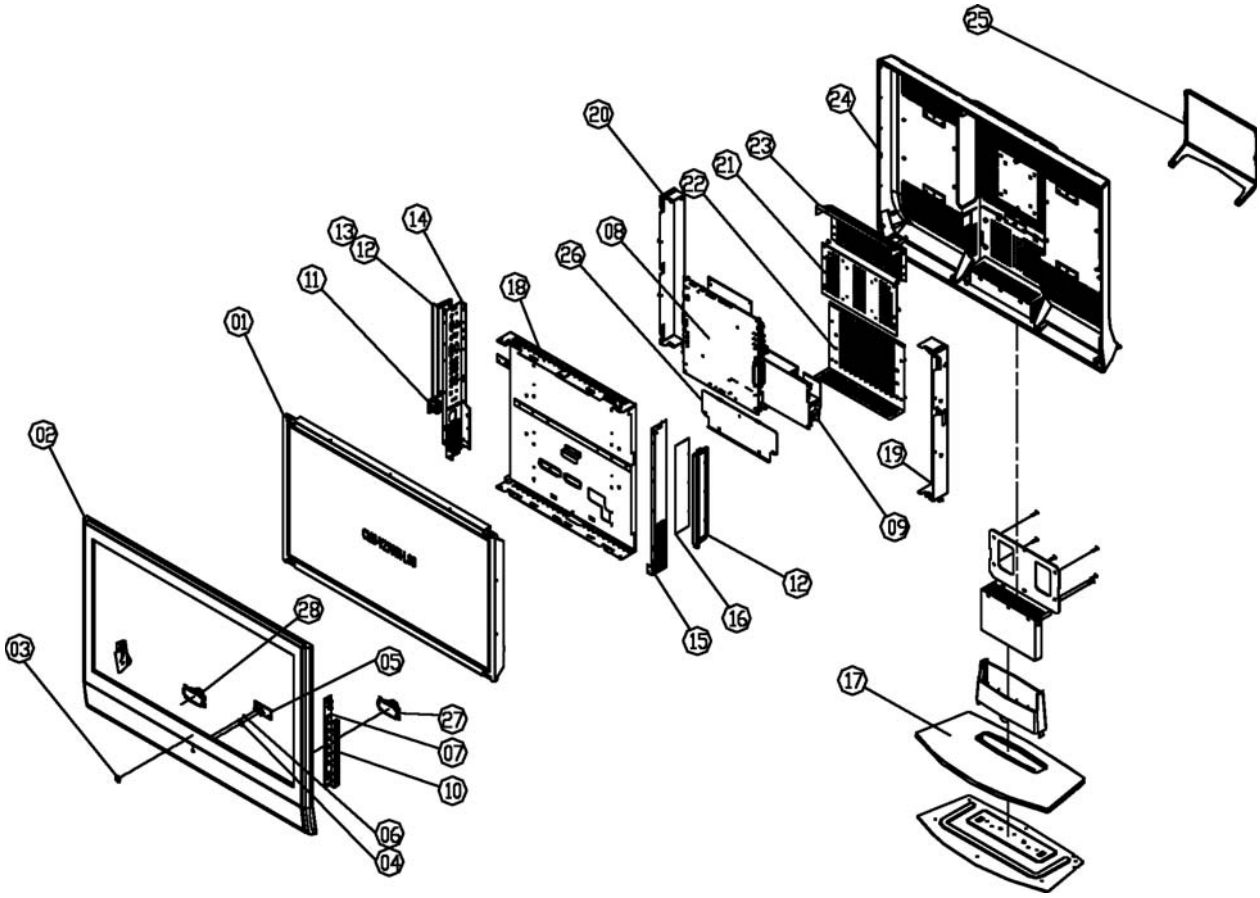
Spare Parts List LTV-37w2 HD

PART NUMBER	DESCRIPTION
Power	
3080341501	CABLE SIGNAL RCA L200 BLK
3090107601	AC POWER CORD 3P #18*3C L1800 BLK
4900250180	SMPS 100~240VAC 214W DPS-214AP A
PCBA	
5600110519	PWB ASSY MAIN BD LT37CGN 43AAB
5600110520	PWB ASSY IR BD LT37CGN 43AAB
5600110521	PWB ASSY FUNCTION KEY BD LT37CGN 43AAB
Screws	
3100300600	SCREW M M3*0.5*6 PAN C S+P S20C ZN
3102310900	SCREW M M4*0.7*9 PAN C S+P S10C ZN YEL
3105051501	SCREW M #4-40*7 HEXH HEXI S18C NI
3105124500	SCREW M M4*0.7*6 FLAT C S18C ZN BLK
3105164200	SCREW M M5*0.8*16 PAN C+S S+P S18C ZN BL
3105382001	SCREW M M5*0.8*23.5 PAN C+S S+P S18C ZN
3109016100	SCREW T 3*1.27*8 FPH C S18C ZN YEL
3109020700	SCREW T M4*0.7*8 PAN C T S18C ZN
3109026400	SCREW T 4*1.587*14 FPH C S20C NI BLK
3109028000	SCREW T 4*1.6*26 PAN C S18C ZN BLK
3109028700	SCREW T 4*1.6*12 PAN C S18C ZN BLK
3109168700	SCREW T 3*2.7*6 FF C S18C ZN BLK
Accessory	
3110250000	WASHER SPRING 5.5*3.1*0.8 SWRT
0991206224	BATTERY ZN-CHLORIDE 1.5V AAA
3200158900	LABEL SPEC PAPER 10mm
3200675301	LABEL CONNECTOR-L PC 259.3*72.54 T0.254
3200675400	LABEL CONNECTOR PC 253*54.5 T0.254 LT37C

PART NUMBER	DESCRIPTION
Accessory (continued)	
3200958000	LABEL LOGO NICKEL 18mm T0.1 LT40ADN 43AA
3202011000	LABEL BARCODE PAPER 42*11 T0.05
3202815600	LABEL SPEC POLYESTER 119.5*59.5 T0.15 LT
3202815700	LABEL SPEC PAPER 165*25.4 T0.1 LT37CGN 4
3211048800	MYLAR FILM 880*520 T.1
3240959301	PAD RUBBER 20*4 GRAY
3261009500	LABEL BARCODE PAPER 46*55 T0.08 LT32EGN
5010034800	CARD QUICK START LT32EGN 43AAB WDE
5041811900	REMOTE CONTROLLER 47KEYS LT32CGN 43AAB W
Mechanical	
307230191C	CONN ADP RCA PLUG RCA MALE/F FEMALE
3360262900	CABINET BACK ABS 94V0 W37VRB1AT 433C
3360432300	BASE HIPS 94HB W2LBA1KA 433C
3360434000	BASE HIPS 94HB 8400C W37VBB1AT 5140
3360505500	LED LENS ABS 94HB Y5LFB1LS
3360508600	LED LENS ABS 94HB W32VFA2LS LIMPID
3360740800	FUNCTION KEY ABS 94V0 W37VFB1AT 433C
3360927200	ARM FRONT HIPS 94HB 8400C W37VBB1AT 5140
3361220100	DECORATION KEY ABS 94V0 W37VFB1AT 433C
3361508000	F/B ABS 94V0 BK-010+8400C W37VFB1AT 5140
3422104400	HANDLE HB3 PP
3460223402	FIXTURE BASE AL 20*11.2*98.08
3460223500	BRACKET SECC 294*44.5*22*2
3460241201	BRACKET PANEL SECC 510.3*416.4*82*1
3460241300	BRACKET SIDE SECC 280*15.38*17.9*1.2
3460241400	BRACKET SUPPORT BOTTOM SECC 755*30.9*15*
3460241500	BRACKET SUPPORT TOP SECC 700*23.1*16.44
3460241600	BRACKET D-SUB-L SECC 249.7*56.5*16.7*1

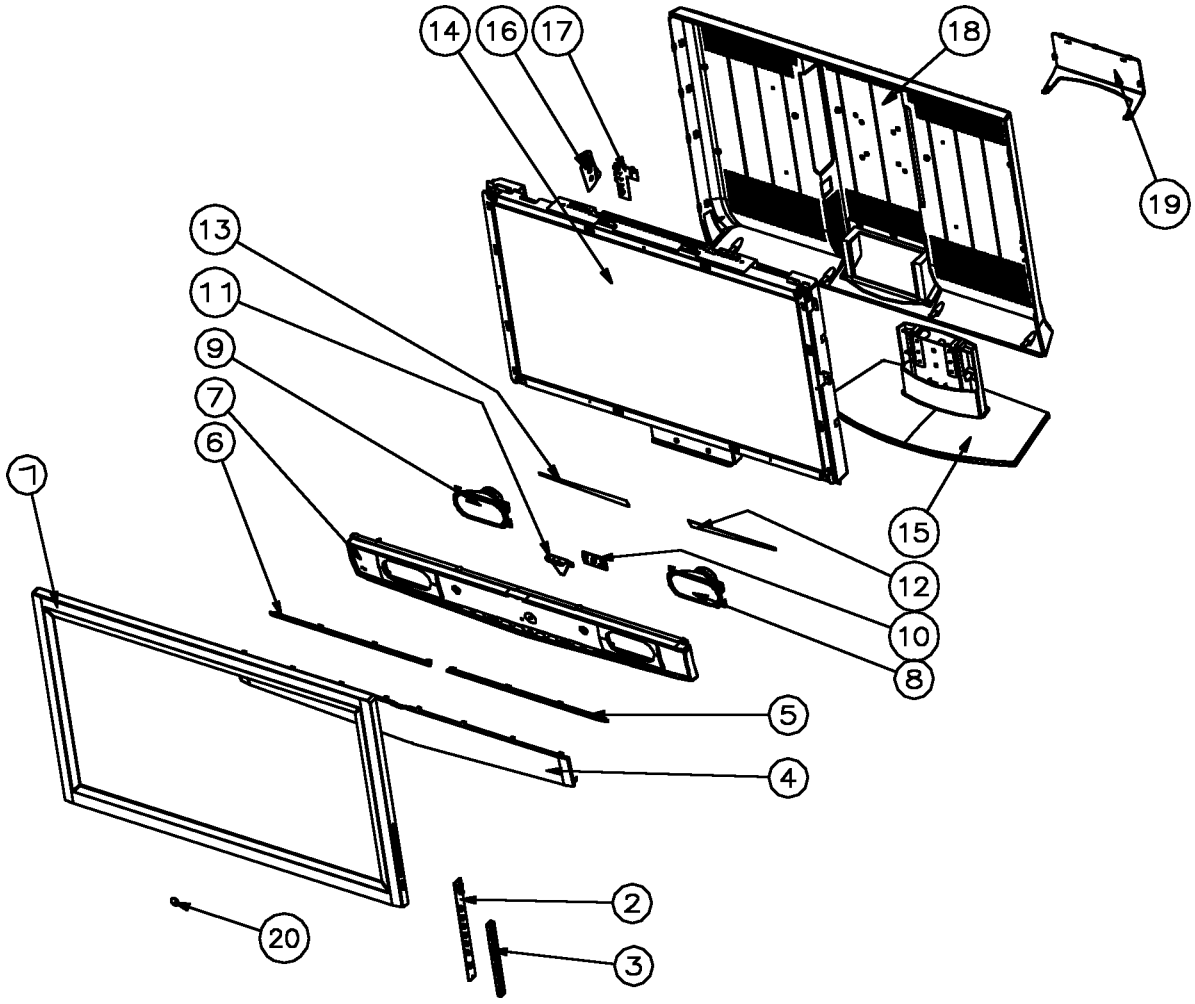
PART NUMBER	DESCRIPTION
Mechanical (continued)	
3460241700	BRACKET D-SUB-R SECC 249.7*56.5*16.7*1
3460241800	BRACKET BASE SECC 573*193*7*2
3460242001	BRACKET SUPPORT PANEL SECC 542.6*46.4*15
3460243400	BRACKET SOCKET SECC 63.5*17*19.2*1
3460259000	BRACKET SUPPORT PANEL L SECC 542.6*46.4*
3791009200	OTHER ASSY SPEAKER-R LT32AAN 43AAB
3791009300	OTHER ASSY SPEAKER-L LT32AAN 43AAB
50537002WD	LCD 5053700202 CONTRACT PRICE
Packing Materials	
3510502000	CARTON PAPER 1112*318*900
3500955700	BAG PE 1040*880*0.3
3500972800	BAG PE 275*205
3501315000	END BLOCK EPS 314*270*250
3501315100	END BLOCK EPS 298*250*225
3501315200	END BLOCK EPS 314*270*250
3501315500	END BLOCK EPS 298*230*127
3501315600	END BLOCK EPS 282*250*225
3501315700	END BLOCK EPS 298*230*127
3510502100	TRAY PAPER 1096*306*191
3520130500	DRYER SILICA 80*60
3534003200	MANUAL PACKING ASSY LT32EGN 43AAB
3610738000	SOCKET ASSY LT37CGN 43AAB

APPENDIX B. Exploded Diagram LTV-27w7 HD



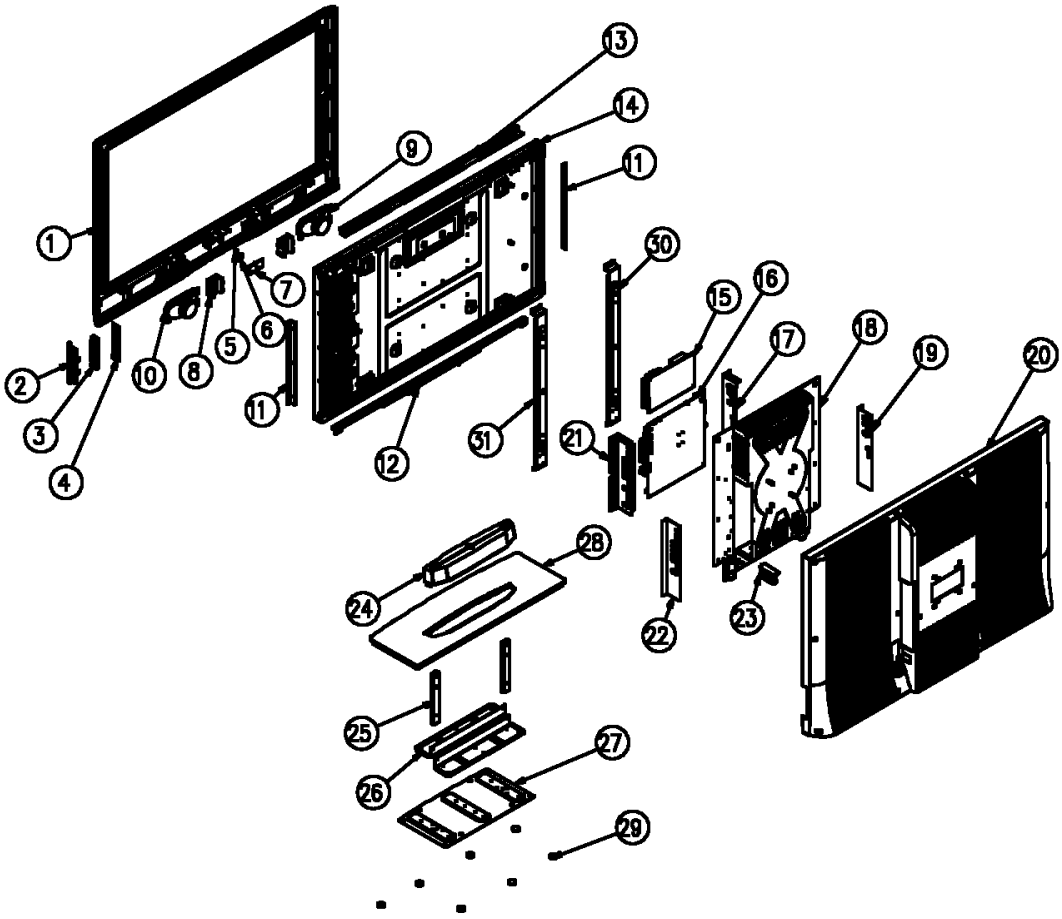
Part #	Description	Part #	Description
50527001XX	Panel	32006757XX	Label Connector-R
33660003XX	Front Bezel	33682502XX	Stand Base Assembly
32009579XX	Name Plate	34602451XX	Bracket Panel
33605086XX	IR Lens	34602068XX	Bracket Side-Mount-Right
56006000XX	LED Board Assembly	34602069XX	Bracket Side-Mount-Left
56006000XX	Function Key Board Assembly	34602149XX	Bracket Vesa
56006000XX	Main Board Assembly	34612619XX	Shield Can-Down
49002140XX	Power Board Assembly	34612618XX	Shield Can-up
33607501XX	Function Key Board Assembly	33602619XX	Back Cabinet
36131003XX	AC-Socket Assembly	33611028XX	Rear Cover
33612188XX	Cover D-Sub	34602287XX	Bracket Extend
32006758XX	Label Connector-L	37910092XX	Speaker-R
34602524XX	Bracket IO-L	37910093XX	Speaker-L
34602451XX	Bracket IO-R		

Exploded Diagram LTV-32w6 HD



Part #	Description	Part #	Description
33610997XX	FRONT BEZEL	33605083XX	LED LENS
5600110349	FUNCTION KEY BOARD	32110452XX	MYLAR FILM-R
33607383XX	FUNCTION KEY	32110453XX	MYLAR FILM-L
34610401XX	PLATE SPEAKER GILL	50532000XX	PANEL MODULE
33620139XX	FRONT DECORATE-R	33682326XX	BASE ASSEMBLY
33620140XX	FRONT DECORATE-L	33612160XX	COVER EARPHONE
33612162XX	COVER SPEAKER	5600110348	EARPHONE BOARD
37901877XX	SPEAKER-R	33602588XX	CABINET BACK
37901878XX	SPEAKER-L	33602589XX	REAR COVER
5600110350	IR BOARD	32006675XX	NAME PLATE

Exploded Diagram LTV-37w2 HD



Part #	Description	Part #	Description
3361508000	BEZEL	3460241600	D-SUB BRACKET L
3361220100	DECORATION KEY	3460241201	PANEL BRACKET
3360740800	FUNCTION KEY	3200875301	CONNECTOR LABEL L
5600110521	K/B	3360262900	BACK CABINET
3360505500	LED LENS	3460241700	D-SUB BRACKET R
3360508800	IR LENS	3200675400	CONNECTOR LABEL R
5600110520	IR/LED BOARD	3460243400	SOCKET BRACKET
3360432300	BASE TRAY	3360927200	ARM
3791009300	SPEAKER-L	3460223402	FIXTURE BASE AL
3791009200	SPEAKER R	3460223500	BRACKET
3460241300	BRACKET SIDE	3460241800	BASE BRACKET
3460241400	BRACKET BOTTOM	3360443400	BASE
3460241500	BRACKET TOP	3240959301	PAD RUBBER
50532002WD	AU PANEL (1368)	3460259000	BRACKET SUPPORT L
4900250180	POWER BOARD	3460242001	BRACKET SUPPORT R
5600110519	MAIN BOARD		

APPENDIX C. Block Diagram